AXIS Camera Station

Installation Guide

AXIS Camera Station Installation Guide

Minimum recommended requirements

Install AXIS Camera Station on a stand-alone computer dedicated mainly for running this application

Hardware:

- Intel Pentium 4 with 2 GHz processor
- CD-drive
- 512 MB RAM
- Hard disk: 1 GB available space for installation
- NTFS file system
- XGA (1024 x 768) or higher resolution monitor
- AGP Graphic card, Direct Draw (for MPEG-2/4) with 32 MB or more memory
- 100 MB Ethernet with a static IP address

System:

- Microsoft Windows XP Professional SP2, 2000 (SP4) 2003 Server (SP1), Internet Explorer Version 6.0 or later, DirectX 9.0c or later (for MPEG 2/4)
- TCP/IP support
- Internet Information Server (IIS) - for Web client
- Microsoft .NET 1.1 runtime environment (included in installation package)

Minimum recommended requirements for a full 25 camera system:

- Dual XEON 3 Ghz, 1024 MB RAM, Multiple SCSI disks
- 1000 Mbit Ethernet backbone

Overview

This document will help you install AXIS Camera Station and configure it for your Axis Network Cameras and Axis Video Servers. A brief introduction to the functionality of the software is covered here, see the online Help or the AXIS Camera Station User's Manual for a detailed description. The User's Manual is available on the CD and on www.axis.com

AXIS Camera Station is a complete monitoring and recording system for use with Axis Network Cameras and Video Servers.

The application's main window provides quick and easy access to all connected and configured cameras, recordings, inputs and outputs used in the system. A background service in Windows, AXIS Camera Station will start automatically upon system start-up and continue running even after the user logs out.

Configuration
All dialogs that allow control and configuration of all aspects of the AXIS Camera Station system are found under **Options** in the file menu.

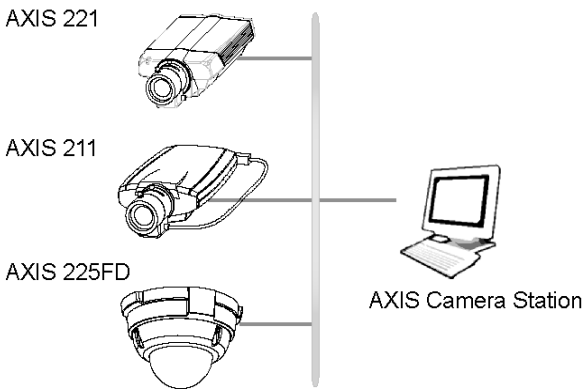
Remote clients
For remote clients you can use "*AXIS Camera Station Client*" described on page 25 or "*AXIS Camera Station Web Application*" described on page 27.

Network Configuration

AXIS Camera Station can record and play back video from cameras that are connected over a LAN (Local Area Network) or over a WAN (Wide Area Network).

LAN

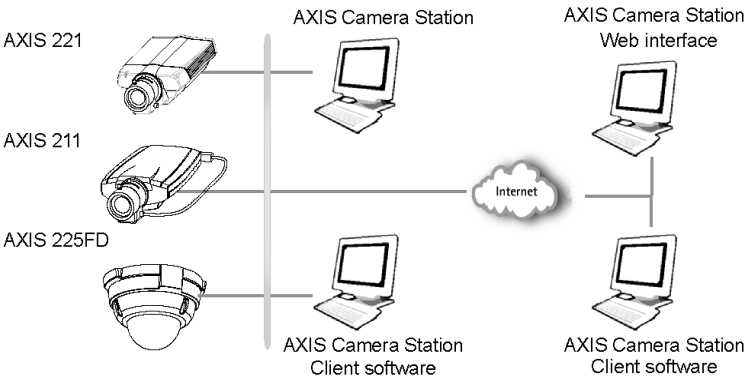
The cameras can be connected directly to the server running AXIS Camera Station using an Ethernet network.



Internet (WAN)

To access AXIS Camera Station from the Internet and get live images from the cameras you must open a set of IP addresses and port numbers in your firewall configuration.

See *Network Configuration* in AXIS Camera Station user's manual.

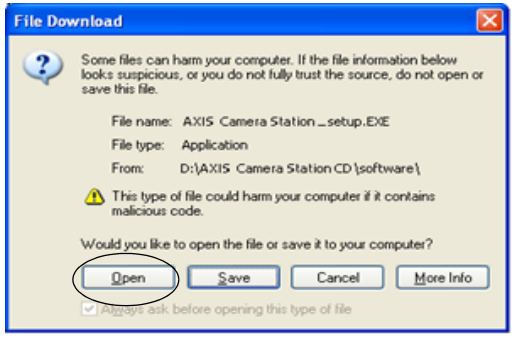


See the User's Manual for details, available on the CD and on www.axis.com

Install AXIS Camera Station Software

Install AXIS Camera Station on the dedicated stand-alone PC from where you wish to run the main administration of your cameras and video servers.

1. Insert the CD in the CD drive. If the installation CD does not auto-start, click autorun.exe in the CD's root folder.
2. From the CD's interface, click **Software** and then **AXIS Camera Station**


File Download
Some files can harm your computer. If the file information below looks suspicious, or you do not fully trust the source, do not open or save this file.
File name: AXIS Camera Station _setup.EXE
File type: Application
From: D:\AXIS Camera Station CD\software\
This type of file could harm your computer if it contains malicious code.
Would you like to open the file or save it to your computer?
Open
Save
Cancel
More Info
Always ask before opening this type of file

3. Click **Open** to launch the installation.

Note:

You may be prompted to install .NET Framework. Simply follow the Installation Wizard's instruction.

4. Next, you will be asked where you wish to install the program. If nothing is specified the program is normally installed in **C:\Program Files\Axis Communications\AXIS Camera Station**.
5. Click your way through the Installation Wizard.

Note:

If running Windows XP, you will need to permit the firewall to accept incoming requests from AXIS Camera Station Client when prompted.

6. When the installation is finished, open AXIS Camera Station from **Start > All Programs** or click the program icon on your desktop:

AXIS Camera Station Activation

The first time you start the program you will be asked to register your license.

Activate the software with your License Key

The License Key can be used for only **one** current installation. Once registered, it cannot be used again. **Do not** request the access code to activate the software until AXIS Camera Station is installed on the target computer.

The License Key is your proof of purchase, keep it in a safe place for future reference.

Important!

When entering the License Key and Access Code, remember that they are both case sensitive.

License

A base license is required to run AXIS Camera Station and allows for a specified number of cameras to be used with the program. Licenses for additional cameras can be installed under **Options** > **General Settings** > **License**, see AXIS Camera Station User's Manual for more information.

Licenses for the AXIS Image Enhancer component can also be installed if you want to improve the image quality in poor visibility conditions, such as fog, smoke, rain and snow.

There are two types of upgrade licenses available for purchase at your local Axis reseller:

- **Additional camera license.**
- **Software upgrade license.** You can upgrade AXIS Camera Station for a limited time from www.axis.com and then extend the license.

Licenses and the time period remaining are displayed in the software interface. MyAxis (www.axis.com/reg/) shows your registered licenses and activation dates.

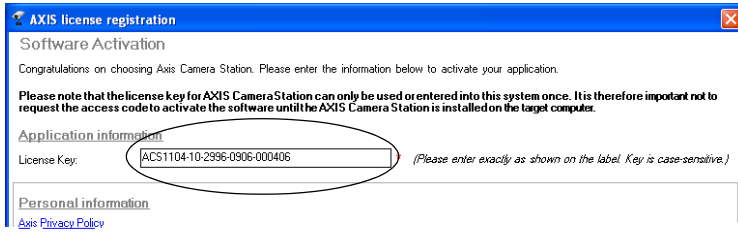
Fast Internet connection: Register automatically

If AXIS Camera Station is installed on a computer with fast Internet access you can register automatically. Your license information is sent directly to the Axis Web server.

1. Click **Register.**

AXIS license registration
Register
I have a License Key and access to the Internet...
Grace period
I have a License Key but no access to the Internet. Let me have a 5 days grace period....
Demo
I don't have a License Key and only want to evaluate the software for 30 days...

2. Fill in the requested information. The License Key is found on the inside of the AXIS Camera Station CD casing. Click **Activate**.


AXIS license registration
Software Activation
Congratulations on choosing Axis Camera Station. Please enter the information below to activate your application.
Please note that the license key for AXIS Camera Station can only be used or entered into this system once. It is therefore important not to request the access code to activate the software until the AXIS Camera Station is installed on the target computer.
Application information
License Key:
ACS1104-10-2996-0906-000406
(Please enter exactly as shown on the label. Key is case-sensitive.)
Personal information
Axis Privacy Policy

3. Your license information will be sent to Axis Communications and your software will be activated automatically.
4. You can now start using AXIS Camera Station.

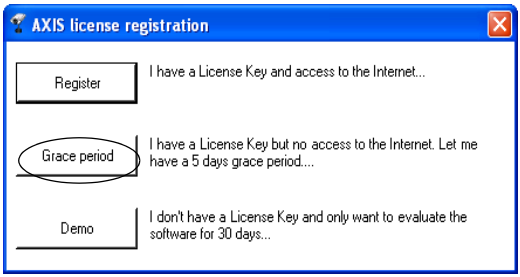
Note:

If the connection to the Axis Web server fails while registering the software, you can register manually by following the instructions for **No or low-speed Internet connection: Register manually.**

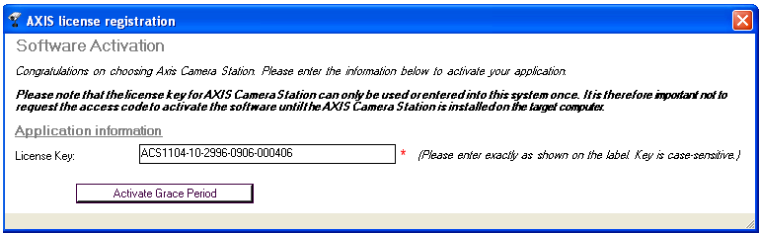
No or low-speed Internet connection: Register manually

If AXIS Camera Station is installed on a computer without (or with low-speed) access to the Internet, you can acquire the Access Code that is needed to activate the software from the Axis Web site and enter it manually.

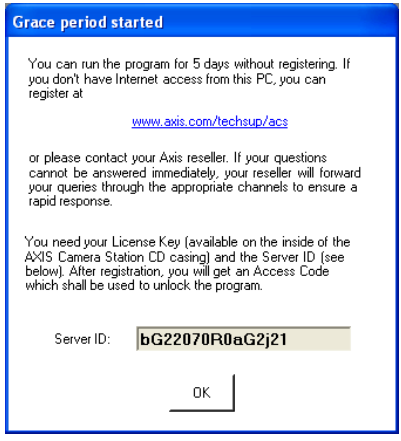
1. Click **Grace period**.


AXIS license registration
Register
I have a License Key and access to the Internet...
Grace period
I have a License Key but no access to the Internet. Let me have a 5 days grace period....
Demo
I don't have a License Key and only want to evaluate the software for 30 days...

2. Enter the License Key and click **Activate Grace Period**.


AXIS license registration
Software Activation
Congratulations on choosing Axis Camera Station. Please enter the information below to activate your application.
Please note that the license key for AXIS Camera Station can only be used or entered into this system once. It is therefore important not to request the access code to activate the software until the AXIS Camera Station is installed on the target computer.
Application information
License Key:
ACS1104-10-2996-0906-000406
*
(Please enter exactly as shown on the label. Key is case-sensitive.)
Activate Grace Period

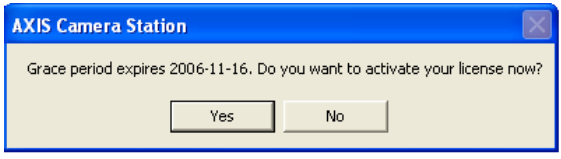
3. You will see your **Server ID** (a code containing information about your PC), make a note of it. You will need the Server ID when filling in information on the Internet form for your Access Code.


Grace period started
You can run the program for 5 days without registering. If you don't have Internet access from this PC, you can register at
www.axis.com/techsup/acs
or please contact your Axis reseller. If your questions cannot be answered immediately, your reseller will forward your queries through the appropriate channels to ensure a rapid response.
You need your License Key (available on the inside of the AXIS Camera Station CD casing) and the Server ID (see below). After registration, you will get an Access Code which shall be used to unlock the program.
Server ID:
bG22070R0aG2j21
OK

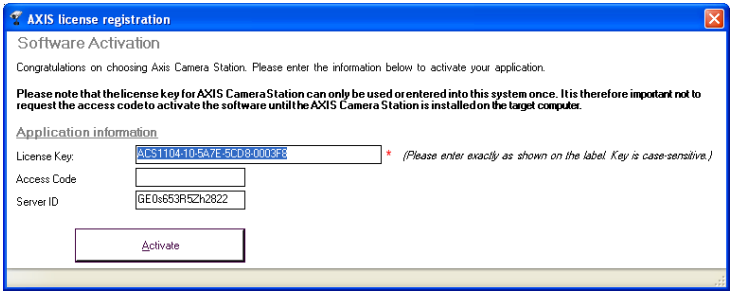
4. You can now use AXIS Camera Station for 5 days.

During the grace period you can receive the Access Code by using any computer with Internet access. Browse to **http://www.axis.com/techsup/acs** and fill in the requested information. When complete click **Submit**.

5. When you have received the Access Code, select **Yes** to this prompt when starting up AXIS Camera Station.



6. Enter your Access Code. License Key and Server ID are filled in automatically.


AXIS license registration
Software Activation
Congratulations on choosing Axis Camera Station. Please enter the information below to activate your application.
Please note that the license key for AXIS Camera Station can only be used or entered into this system once. It is therefore important not to request the access code to activate the software until the AXIS Camera Station is installed on the target computer.
Application information
License Key:
ACS1104-10-5A7E-5CD8-0003F3
(Please enter exactly as shown on the label. Key is case-sensitive.)
Access Code
Server ID
GE0s653R5Zh2822
Activate

7. Click **Activate**.
8. You can now start using AXIS Camera Station.

Using the Demo version

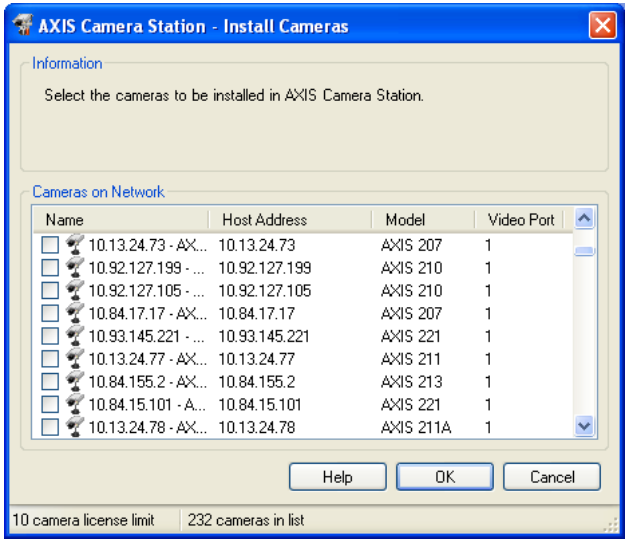
Another option is to install AXIS Camera Station as a 30-day demo version, which works with 4 cameras and includes Image Enhancer for one channel.

Note:

Demo version does not allow recording or live viewing in MPEG-4.

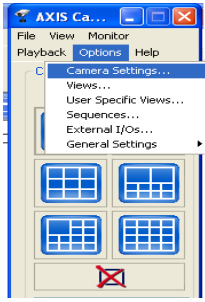
Configure AXIS Camera Station

After installing the software, it must be configured for your cameras and video servers. The first time AXIS Camera Station is started, a search function automatically finds and installs cameras/video servers on your network. If there are more cameras on your network than you have a license for, an **Install Cameras** dialog opens automatically. Simply check the boxes of the camera/video servers you would like to install in AXIS Camera Station.


AXIS Camera Station - Install Cameras
Information
Select the cameras to be installed in AXIS Camera Station.
Cameras on Network
Name
Host Address
Model
Video Port
10.13.24.73 - AX... 10.13.24.73 AXIS 207 1
10.92.127.199 - ... 10.92.127.199 AXIS 210 1
10.92.127.105 - ... 10.92.127.105 AXIS 210 1
10.84.17.17 - AX... 10.84.17.17 AXIS 207 1
10.93.145.221 - ... 10.93.145.221 AXIS 221 1
10.13.24.77 - AX... 10.13.24.77 AXIS 211 1
10.84.155.2 - AX... 10.84.155.2 AXIS 213 1
10.84.15.101 - A... 10.84.15.101 AXIS 221 1
10.13.24.78 - AX... 10.13.24.78 AXIS 211A 1
Help
OK
Cancel
10 camera license limit
232 cameras in list

Manual configuration of camera/video servers is done from **Options** menu.

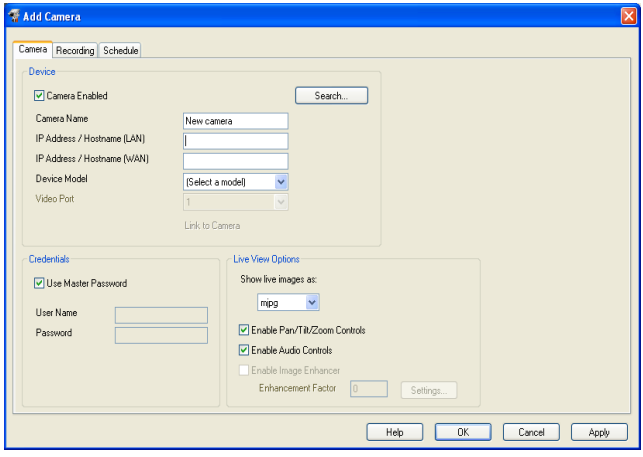
Adding a Camera/video server to AXIS Camera Station



1. From AXIS Camera Station, click **Options > Camera settings.**

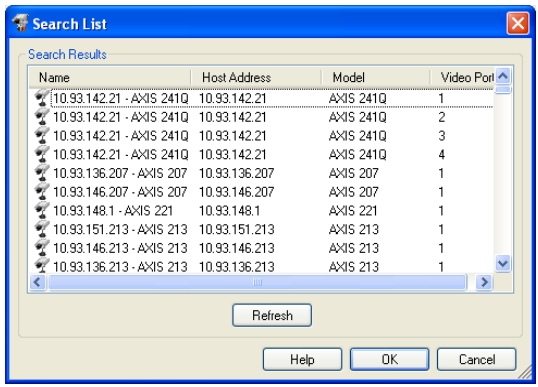
Note: All settings can be found under Options. Only a few of the most essential settings are covered in this guide. See the online Help or User's Manual for a full description.

2. From **Camera settings**, click on the **Add** button.

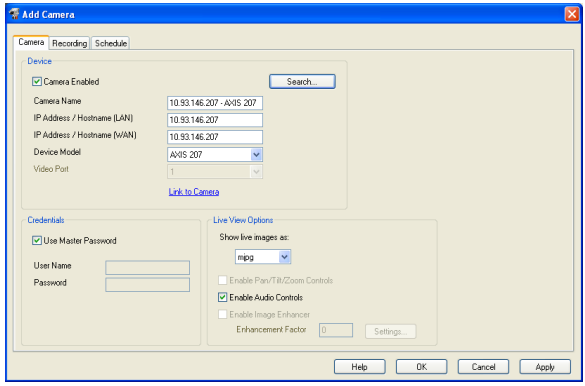


3. Information can be entered manually or click **Search** to get a list of available cameras and video servers on your network.

4. Click on the desired camera/video server and then OK.



5. All pertinent information appears in the window. **Camera Name** is how the camera will appear in AXIS Camera Station. If you like, you may change the name to something more descriptive such as “Backdoor” or “Garage”. The change will only affect AXIS Camera Station and not the camera.



6. Click **Link to Camera** to verify that you can access the camera.

Note:

The Camera Enabled box should be checked. If this box is not checked when registering a camera, recordings and live viewing are not possible

7. If cameras are set up to use a common user name and password, check the **Use master password** box under Credentials. If the camera has a unique password, check **Use specific password** and enter User Name and Password information.

Notes:

The Master Password is setup in AXIS Camera Station under **Options** > **General Settings** > **General** > **Master Credentials.**

Default User name = root, Password = pass.

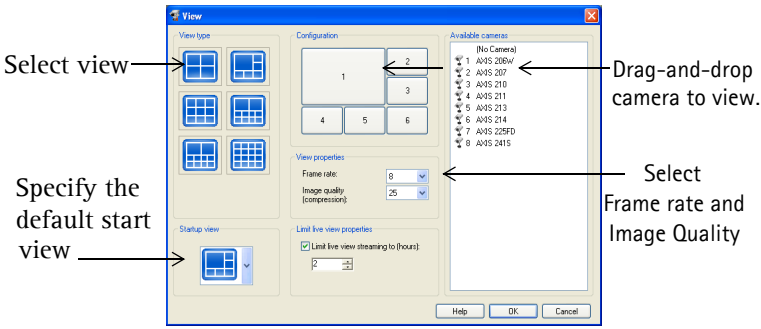
Set up Recording

Recording can be set up as continuous, triggered or scheduled. For information about Recording and Schedules, see the AXIS Camera Station User's Manual or help files.

Defining default camera views from AXIS Camera Station

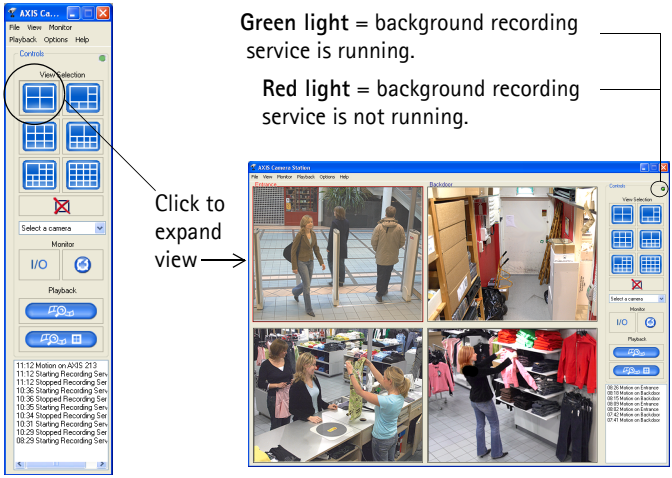
To define the camera views as seen from the main AXIS Camera Station user interface, click on **Options** > **Views** from the file menu.

1. Select the view according to the number of cameras you want to configure.



2. Specify the default view to display from the drop-down list when AXIS Camera Station is started. The **No Live Images** option is when only the controls are visible.
3. Arrange cameras in the view by clicking first on the position in the view and then the desired camera in the **Available Cameras** list. You can also drag-and-drop a camera to the desired position in the view.
4. Select Frame Rate (number of frames per second) and Image Quality for live video. A high value will require less bandwidth, but give lower quality images. A low value will give better images due to less compression, but requires more bandwidth. Note that the frame rate is a target value. The actual frame rate depends on the type of camera, network conditions and your PC configuration.
5. Click on **OK** to accept configuration.

AXIS Camera Station User Interface


Green light = background recording service is running.
Red light = background recording service is not running.
Click to expand view

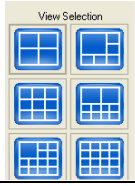
The background recording service retrieves images from the connected cameras and stores them to hard disk. From AXIS Camera Station you can start or stop the background service, click **File > Start Server** or **Stop Server** or right-click on the **AXIS Camera Station** icon in the taskbar.

When the service is running there is a flashing green indicator in the upper right corner of the window. A flashing red indicator means the service was stopped, for example by the operator. When the service is running there is also a green icon in the task bar, a red icon means the service was stopped and a yellow icon indicates that the service is starting up or experiencing problems connecting to one of the cameras.

Recording is only possible if the background service is running, and will continue even after logging out from the PC where AXIS Camera Station is installed.

The background service will automatically start running upon system start-up.

AXIS Camera Station Controls

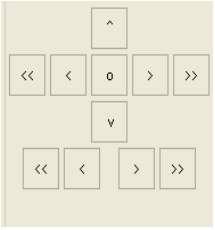
View Selection 	Select a view and you will get a window showing live images direct from the camera. It is possible to click in the image from Pan/Tilt/Zoom cameras to move the camera or zoom using the mouse scroll wheel.
No Live Images	Click the **No Live Images** button to close the camera windows. Showing live images in the main window uses processor power. Not displaying live images reduces the amount of processor power required by the service and does not affect recordings in any way. The amount of bandwidth required is also less when not showing live images. In the **Views** section (Options > Views...) it is possible to set up the system so that it always starts in this mode.
Select Camera	Select a camera to be shown in a new window. Controls for Pan/Tilt/Zoom, audio and AXIS Image Enhancer may also be shown in this window.

Monitor **I/O** 	When clicking this button, the **I/O Status** of I/Os defined in AXIS Camera Station are displayed. Monitoring I/O defines when events, such as an alarm or motion detection, should be triggered. Each I/O is shown on one line, along with a colored indicator: • green indicator means the I/O is in its normal state • red indicates that the I/O is active, recording may be in progress depending on the setup. • yellow means there is no communication with the I/O Buttons for starting and stopping an I/O output are shown, as well as a button to open the camera's view. See AXIS Camera Station User's Manual for instructions on defining I/O.
Camera sequence 	Click to open the Camera sequence window. A camera sequence is a pre-defined "tour" i.e. a configuration that automatically switches through all of the cameras included in the tour. Select the camera sequence to view from the drop-down list. See the User's Manual for instructions on setting up a Camera Sequence.
Playback **Recorded events** 	Here you can search through recorded events. Select a date, a time and press the search button to get an overview of all the recorded events. Click on a reference image to open a **Playback** window to view the entire recording of the event.

4-camera playback 	Here you can play recorded events from four cameras simultaneously. Select a date and time, and then press the search button. All the events found for the 4 cameras will be played starting at the specified date and time up to the present time.
Event Log 	The event log shows all of the alarms and other events in the server. Click on an Alarm or Motion detection event to view. To open the full event log, select **View >Event Log**.

Pan/Tilt/Zoom and Audio controls

These controls are only visible if the connected camera has PTZ capability or a connected audio module. Choose a camera from the drop-down list **"Select a camera"** for the controls to appear.

Pan/Tilt/Zoom controls 	Click on the controls to steer the camera around. You can also click on the images to move the camera. (This feature is only available on some PTZ cameras).
Audio controls	If the camera is equipped with audio capability, the controls are shown here.

The recording properties for installed Axis network cameras and video servers, e.g. frame rate, image size, are set under **Options > Camera Settings > Edit > Recording**.

AXIS Camera Station Client

The AXIS Camera Station Client application is used for remote operations on client workstations, where you can perform the same tasks as from AXIS Camera Station using a similar user interface.

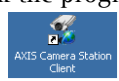
Install AXIS Camera Station Client Software

1. From the client workstation, insert the CD and select Software then AXIS Camera Station Client.
2. Click Open to launch the installation.

Note:

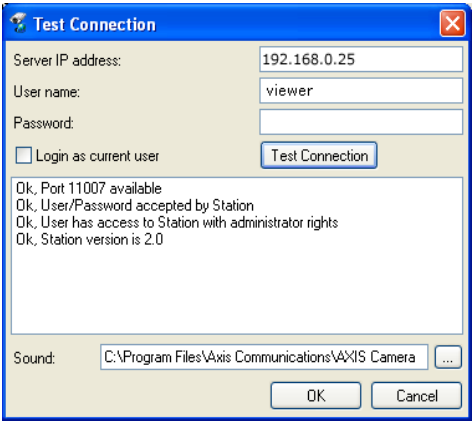
You may be prompted to install **.NET Framework**. Simply follow the installation Wizard's instructions

3. Next, you will be asked where to install the program. If nothing is specified, the program is normally installed here: **C:\Program Files\Axis Communications\AXIS Camera Station Client**
4. Click your way through the Installation Wizard. When you are finished, open AXIS Camera Station Client from **Start > All Programs** or click the program icon on the desktop:



5. Click **File > Connection** to complete the installation.

6. The first time you connect, this window will appear:



7. Enter the **IP address** or host name of the server PC where AXIS Camera Station is installed and, if required, the User Name and Password.
8. Click **OK**.

Notes:

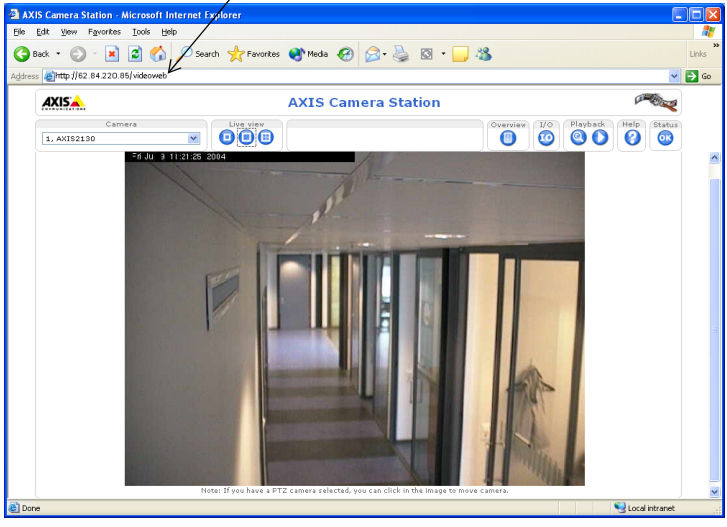
- When working with more one than one AXIS Camera Station, a list of recently accessed Camera Stations is available in the **File** menu.
- If there are problems connecting to the server, click **Test connection** to troubleshoot the problem. Port 11007 is used and must be opened in the firewall, router, etc.

AXIS Camera Station Web Application

A web browser can be used on client workstations to view cameras and perform simple operations, such as review or playback recordings.

Once the AXIS Camera Station Web Access has been enabled in AXIS Camera Station under **Options** > **General** > **General settings**, clients can access camera views from a browser by typing **http://<server IP address>/VideoWeb** in the Address field

Example: http://10.13.6.128/VideoWeb



See the online Help pages or the User's Manual for more information. The User's Manual is available on the AXIS Camera Station CD and on www.axis.com

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